



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

November 17, 2016

Luz Chan  
Registration Manager  
Drexel Chemical Company  
P. O. Box 13327  
Memphis, TN 38113-0327

Subject: Notification per PRN 98-10 – Minor Label Changes  
Product Name: Drexel Augzine  
EPA Registration Number: 19713-567  
Application Date: October 27, 2016  
Decision Number: 523035

Dear Ms. Chan:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the above referenced product. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10.

The label submitted with the application has been stamped “Notification” and will be placed in our records. Should you wish to add/retain a reference to the company’s website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA’s Office of Enforcement and Compliance.

If you have any questions, you may contact Shanta Adeeb at 703-347-0502 or via email at [adeeb.shanta@epa.gov](mailto:adeeb.shanta@epa.gov).

Sincerely,

A handwritten signature in black ink that reads "Shanta Adeeb" with a small flourish underneath.

Reuben Baris, Product Manager 25  
Herbicide Branch  
Registration Division (7505P)  
Office of Pesticide Programs



# Auguzine™

St. Augustine Weed Killer

For the control of both emerged weeds and weeds from seeds in St. Augustinegrass and Centipedegrass, use 5 teaspoonfuls per 100 square feet.

**ACTIVE INGREDIENTS:**

Atrazine ..... 4.00%  
Related compounds ..... 0.08%

**OTHER INGREDIENTS:** ..... 95.92%

**TOTAL:** ..... 100.00%

## KEEP OUT OF REACH OF CHILDREN CAUTION

**NOTIFICATION**

19713-567

The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

11/17/2016

**See FIRST AID Below**

**SHAKE WELL BEFORE USING**  
[Optional: Recirculate Contents Before Use]

**EPA Reg. No. 19713-567**  
**EPA Est. No. 19713-XX-XXX**

**Net Content: \_\_\_\_\_ Gals. ( \_\_\_\_\_ L)**

FIRST AID	
<b>IF SWALLOWED:</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious or convulsing person.</li> </ul>
<b>IF ON SKIN OR CLOTHING:</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15 to 20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. <b>You may also call CHEMTREC 800-424-9300 for medical emergency.</b>	
<b>NOTE TO PHYSICIAN:</b> There is no specific antidote for Atrazine. If this product is ingested, induce emesis or lavage stomach. The use of an aqueous slurry of activated charcoal may be considered.	

567SP-1016\*

## PRECAUTIONARY STATEMENTS

### Hazards To Humans And Domestic Animals

**CAUTION:** Harmful if swallowed or absorbed through skin. Avoid contact with skin, eyes, or clothing.

### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Wear long-sleeved shirt, long pants, chemical-resistant gloves and shoes plus socks.

## USER SAFETY RECOMMENDATIONS

**Users should:** 1) Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. 2) Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. 3) Remove clothing/PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

## ENVIRONMENTAL HAZARDS

Atrazine can travel (seep or leach) through soil and can enter groundwater which may be used as drinking water. Atrazine has been found in groundwater. Users are advised not to apply atrazine to Sand and Loamy sand soils where the water table (groundwater) is close to the surface and where these soils are very permeable, i.e., well-drained. Your local agricultural agencies can provide further information on the type of soil in your area and the location of groundwater.

This pesticide is toxic to aquatic invertebrates. Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor drift from treated areas. Runoff and drift from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwaters or rinsate.

## DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.  
**NOT FOR USE ON TURF BEING GROWN FOR SALE OR OTHER COMMERCIAL USE AS SOD, OR FOR COMMERCIAL SEED PRODUCTION, OR FOR RESEARCH PURPOSES.**

**PRECAUTIONS AND RESTRICTIONS: Do not apply this product in a way that will contact any persons or pet, either directly or through drift. Keep people and pets out of the area during application.**

**Do not allow people or pets to enter the treated area until sprays have dried.**

**IMPORTANT:** Read the entire Directions for Use, all precautions and Warranty – Conditions of Sale before using this product.

**FAILURE TO FOLLOW THE DIRECTIONS FOR USE, RESTRICTIONS AND PRECAUTIONS ON THIS LABEL MAY RESULT IN POOR WEED CONTROL, CROP INJURY, ILLEGAL RESIDUES OR PERSONAL INJURY.**

## APPLICATION PROCEDURES

- Do not use near adjacent desirable plants or in greenhouse, or injury may occur.
  - To avoid spray drift, apply with a coarse low pressure spray.
  - Do not apply under windy conditions.
  - Avoid spray overlap.
  - This product is to be mixed with water only. Combinations with other chemicals in the application mixture are not recommended.
  - Do not apply when temperatures exceed 90°F.
  - Use only on healthy Turfgrass which is not under heat or drought stress and reasonably free of infestations of insects, nematodes, and diseases.
  - Applications during the summer should be limited to spot treatment only.
  - Do not use on muck or alkaline soils.
- 
- Do not use over rooting area of trees, ornamentals, vegetables or other desirable plants other than the indicated Turfgrasses.

- Do not apply to areas where the natural drainage would carry the atrazine to adjacent desirable plants.
- Do not replant treated areas (except with listed Turfgrass) within 12 months after treatment or injury may result.
- Do not overseed turf areas within 6 months after treatment.
- Sprigging of listed Turfgrass is allowed in treated areas, however, some yellowing or stunting may occur.

**APPLICATION RESTRICTIONS**

Maximum rate per application on Turfgrass (including lawns) is 8.6 fluid ounces per 1,000 square feet. Maximum of two applications per year is permitted.

**USE DIRECTIONS**

**Weeds Controlled or Suppressed:**

Annual Bluegrass (*Poa annua*), Chickweed (Common and Mouseear), Crabgrass (suppression only), Cransbill, Cudweed, Dichondra, Florida Betony, Henbit, Knotweed, Lespedeza, Moneywort, Mustards, Narrowleaf Vetch, Parsley-Piert, Pennywort (Dollarweed), Sandspur, Smutgrass, Spurge, Spurweed, Swinecrest, Woodsorrel and various annual clovers.

**Established St. Augustinegrass and Centipedegrass:**

This product may be applied during both dormant and growing seasons. Best results are usually obtained when applied in early Spring or dormant periods when weeds are small or have not emerged. Do not apply more than two treatments per year.

This product controls Spurweed, Florida Betony, Annual Bluegrass and many other problem weeds in St. Augustinegrass and Centipedegrass turfs.

This product will control both emerged weeds and weeds from seeds. Rain or water within 2 or 3 days of application may decrease the effectiveness on emerged weeds. However, for the control of weeds from seeds, rainfall or watering is necessary within 7 to 10 days after treatment.

**Spurweed:**

Control of Spurweed can best be obtained by applying when Spurweed has newly emerged (December and January.)

**Florida Betony:**

This weed emerges in the Fall. Apply this product in mid to late October followed by a second application in mid to late February.

**Dichondra, Moneywort:**

Apply this product in early April followed by a second application in July. **Note:** Applications for Spurweed or Florida Betony generally will give control or suppression of the other listed weeds. However, as a general rule, this product will give best control when applied to young tender weeds or just prior to weed emergence.

<b>RATE OF APPLICATION* FOR ST. AUGUSTINEGRASS and CENTIPEDEGRASS</b>		
<b>Areas To Be Treated</b>	<b>Amount of This Product</b>	<b>Minimum Amount of Water</b>
100 sq. ft.	5 tsps.	1 qt.
500 sq. ft.	4.3 fl. ozs.	1 gal.
2,000 sq. ft.	1.1 pt.	4 gals.
*Determine total area to be sprayed and base rate of application on the above rates.		

## METHODS OF APPLICATION

### Conventional Sprayers:

Application should be made with conventional compressed air garden sprayer equipped with a flat fan spray tip. Correct calibration of the sprayer is essential. Overdosing will cause severe plant injury and or death of the desired Turf. Insufficient application may not give anticipated weed control.

Measure the amount of this product into the spray tank and dilute with water according to the above Table. Close tank sprayer and shake well before applying.

### Hose-End Sprayers With Ready-Spray Nozzle:

One quart (32 fl. ozs.) of this product will treat 3,720 sq. ft. of listed grasses.

DO NOT apply one quart of this product to an area less than 3,720 sq. ft. DO NOT apply this product to the same area more than twice per year.

Using the Ready-Spray Nozzle, apply this product following the below procedures:

1. Shake container well before using.
2. Connect a garden hose to the Ready-Spray nozzle. Make sure that the dial nozzle is in the "OFF" position with the [green] safety tab in the valve notch.
3. Turn on water at faucet. Extend hose to the farthest area to be treated and work back toward the faucet so you don't come in contact with the treated area.
4. To begin spraying, point nozzle toward treatment side and:
  - a) Bend back the [green] safety tab [located at the right of the yellow dial] with your thumb.
  - b) Hold while turning the yellow dial clockwise quickly until it stops. Water will automatically mix with this product.
5. Spray until wet to control the weeds listed on this label. Walk at a steady pace while spraying using an even sweeping motion.
6. To STOP spraying, quickly turn the dial counter clockwise until it stops and the safety tab engages into the notch on the valve. Turn water OFF at faucet. To relieve pressure before removing from nozzle from the hose, bend the safety tab back and turn dial "ON" until water stops spraying.
7. To store unused product, make sure the dial is in the "OFF" position with the [green] safety tab in the valve notch. Place in cool area, away from heat, sunlight or open flame.

Read the 'APPLICATION PROCEDURES' section of this label for additional application instructions.

### For Connect and Spray Applicator:

1. Make sure knob control lever is in the OFF position. Shake well and attach to hose.  
*([Optional] Make sure the handle is in the upright position and locked OFF position. Shake container well and attach spray nozzle to hose.)*
2. Turn water on at faucet, extend hose to the farthest area to be treated and work back toward the faucet so you don't come in contact with the treated area. Aim nozzle toward lawn and turn control lever to ON to begin spraying. The product will automatically siphon and mix with water. Walk at a steady pace while spraying, using an even sweeping motion. Spray weeds until wet.  
*([Optional] Turn water on at faucet, aim nozzle towards lawn, bend tab back, and rotate handle clockwise towards the hose connection in the ON position to begin spraying. The product will automatically siphon and mix with water.) [Optional Icon]*
3. When finished, turn control lever to OFF position. Turn faucet off. Discharge residual water pressure by turning control lever ON and OFF again.  
*([Optional] When finished, turn the handle counterclockwise until the handle is in the upright position and locked position. Turn faucet off. Discharge residual water pressure by turning the handle ON and OFF again. Unscrew spray nozzle from hose.)*

## STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage and disposal.

**PESTICIDE STORAGE:** Store pesticide in the original container in a locked storage area.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

### CONTAINER DISPOSAL:

**Nonrefillable Container (rigid material; less than 5 gallons):** Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container one-fourth full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Dispose of empty container in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

**Nonrefillable Container (rigid material; 5 gallons up to < 250 gallons):** Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container one-fourth full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Dispose of empty container in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

**Refillable Container (> 250 Gals & Bulk):** Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10% full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then offer for recycling if available or puncture and dispose of in sanitary landfill, or by incineration or by other procedures allowed by state and local authorities.

### For Residential/Household Use:

**PESTICIDE DISPOSAL:** Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

**CONTAINER DISPOSAL:** Nonrefillable container. Do not reuse or refill this container. **If empty**, place in trash or offer for recycling if available. **If partially filled**, call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

## WARRANTY—CONDITIONS OF SALE

OUR DIRECTIONS FOR USE of this product are based upon tests believed reliable. Follow directions carefully. Timing and method of application, weather and crop conditions, mixtures with other chemicals not specifically directed and other influencing factors in the use of this product are beyond the control of the Seller. To the extent consistent with applicable law, Buyer assumes all risks of use, storage and handling of this material not in strict accordance with directions given herewith. To the extent consistent with applicable law, in no case shall the Manufacturer or the Seller be liable for consequential, special or indirect damages resulting from the use or handling of this product when such use and/or handling is not in strict accordance with directions given herewith. The foregoing is a condition of sale by the Seller and is accepted as such by the Buyer.

Manufactured By:



**Drexel Chemical Company**

P.O. BOX 13327, MEMPHIS, TN 38113-0327

**SINCE 1972**

## Optional Marketing Statements:

- \* For St. Augustine Grass
- \* Auguzine will control (followed by any or all of this list) Annual Bluegrass (*Poa annua*), Chickweed (Common and Mouseear), Cudweed, Dichondra, Florida Betony, Henbit, Knotweed, Lespedeza, Moneywort, Pennywort (Dollarweed), Mustards, Narrowleaf Vetch, Parsley-Piert, Smutgrass, Spurge, Spurweed, Swinecrest, Woodsorrel and various annual clovers.
- \* Auguzine suppresses Crabgrass
- \* Controls Listed Tough Weeds
- \* Controls both listed emerged weeds and weeds from seeds
- \* One pint covers 1,852 sq. ft.
- \* One Quart covers 3,720 sq. ft.
- \* 0.5 Gallon covers 7,408.2 sq. ft.
- \* One Gallon covers 14,816.3 sq. ft.
- \* Kills Listed Tough Weeds
- \* Kills Other Listed Weeds
- \* Kills & Prevents Listed Tough Weeds
- \* **Kills Weeds...Not the Lawn**
- \* With Atrazine
- \* For outdoor use around the home only
- \* [One quart] Treats 3,720 sq. ft.
- \* Covers 3,720 sq. ft.
- \* Kills listed tough weeds [including Dollarweed and Sandspur] [and other listed weeds]
- \* Contains atrazine
- \* Attach to hose and spray
- \* Ready to spray [apply]
- \* For St. Augustinegrass and Centipedegrass [Lawns]
- \* Kills Dollarweed, Sandspur and other listed weeds
- \* [Front panel starburst: Connect and Spray Applicator]
- \* [Front panel: Connect & Spray Applicator]
- \* Product Fact Box

<b>PRODUCT FACT BOX</b>	
<b>What it Does:</b>	
Kills established listed weeds including Dollarweed, Sandspur and Florida Betony and prevents weeds from emerging in the Lawn	
<b>Where to Use:</b>	
(icon outdoors) St. Augustinegrass and Centipedegrass Lawns: Kills the weeds, not the Lawn	
<b>When to Use:</b>	
Anytime temperatures are below 90°F	
<b>Questions &amp; Comments:</b>	
(phone icon) (computer icon) Call (901) 774-4370 or visit our website at <a href="http://www.drexchem.com">www.drexchem.com</a>	

## \* Product Usage Box

Product Usage	
Kills & Prevents	Annual Bluegrass, Dollarweed, Florida Betony, Sandspur, Spurge, Spurweed, Woodsorrel, various annual clovers, and other listed weeds
Use On	Established St. Augustinegrass and Centipedegrass
Amount to Use	<ul style="list-style-type: none"> <li>• 4.3 fl. ozs. mixed with 1 gallon of water treats 500 sq. ft.</li> <li>([Optional] One quart (32 fl. ozs.) of this product will treat 3,720 sq. ft.)</li> <li>• 32 fl. ozs. mixed with 7.4 gallons of water treats 3,720 sq. ft.</li> </ul> <i>Wait 72 hours before watering treated, emerged weeds.</i>
When to Use	When air is calm and temperature below 90°F – up to 2 applications per year.

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